

SEQUENCE LISTING

<110> Ranum, Laura P.W.
Koob, Michael

<120> SPINOCEREBELLAR ATAXIA TYPE 8 AND METHODS OF DETECTION

<130> 11000900101

<140> NOT ASSIGNED

<141> 1998-10-28

<160> 18

<170> PatentIn Ver. 2.0

<210> 1
<211> 1159
<212> DNA
<213> Homo sapiens

<400> 1
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ggtaatatcc atgaagtcac tggtaatttt acatttttaa atatgcagta tgaattgcat 120
atatagtact tcttaaagt caacacattt atcttaaata atttatcgaa gtatgagaag 180
tacctatcat attttggtta ataatacctt taggtttttc ctagttcttg gctccagact 240
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tttattttcc ttataaaaag taccttcttg cttcactgac atttctatac aactattctt 1140
gtaagcaagg aatgaattc 1159

<210> 2
<211> 1471
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: cDNA
comprising exons D, C, B, and A

<400> 2

atccttcacc tgttgccctgg ctagagttgt ctggctccac tttgagctct tgcagaacca 60
gccctttttc gtgtgggtcca ggaaagtcca tgcctggcac cacctcctcc tctagtgact 120
ccacgtagaa gagagtccctg gctggctgct gagtgccttg cccaggagcc ccttgctgca 180
gcctcgtggc aactggaagc agggcgccat tcagcggatt gaaggaagag gaggaagagg 240
acggggagga cgatgaagag gaagaggagg aaggcttctt ccagaaagtg ctcacaccgc 300
ttctctcttg gcttttgagc aggcgactct ggctgggtcc ccagtgtctc aagctgccac 360
tgccgtcctg ttgcaggcag cctccccccg cggggccgcc ggtggaagga gacgggtggc 420
tgaagagttt ccagcggagt cgcagaatgt gcttcacatc gaagtctttt cgcccagagc 480
ctgacatgct ttacgcacag aaggcaaaaag gctggcagct cacgcagggt tctggagggt 540
gggaagttca agaccaatgc acgagaattt ggtctaaaga gaatcttctt gctctgaaca 600
cacatagtag aaggcagaag ggcaagagag agaacaagt ctgtgtctcc acatggcaga 660
agagcagagg agacagaacc tactcctcta tggcaaccac cccatcaatg acaaaaaatcc 720
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atccagacta tttacgacaa gtgttctgtg tttctaataa taaaacagac ttcacctcgg 900
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tttgatgtta taattgttat atatttttcc atacttcctc atactgctta tctcttactt 1440
aagaatttat gaataaagaa ttgatttttc a 1471

<210> 3

<211> 1037

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: cDNA
comprising exons E, C, and A

<400> 3

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agaggtgggt ttatatagtc agtttgtaaa agagaaaaat agatattcta gcgcatatag 180
ggaggcaaaa gaaaaagccc gcctgtgaag ctgtcaaggc cctcacagta caattttctc 240
tctgcctcag cgctcctcc tcccccttct ggaggctggg aagttcaaga ccaatgcacg 300
agaatttggt ctaaagagaa tcttcttgct ctgaacacac atagtagaag gcagaagggc 360
aagagagaga acaaagtctg tgtctccaca tggcagaaga gcagaggaga cagaacctac 420

tcctctatgg caaccacccc atcaatgaca aaaatcctag aaggatgtat gtataggaag 480
 ttgaagtgtt gagaagagaa tggctcagag tcaagcggga acaagattgc cttttctgac 540
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 tgttatatat ttttccatac ttcctcatac tgcttatctc ttacttaaga atttatgaat 1020
 aaagaattga tttttca 1037

<210> 4
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 4
 tcaattcttt attcataaat tcttaag 27

<210> 5
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 5
 tttgagaaag gcttgtgagg actgagaatg 30

<210> 6
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 6
 cctcatgtta gaaaactggc ttt 23

<210> 7
 <211> 23
 <212> DNA

841

42

09181505-102800

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 7

accagccag agtcgcctgc tca

23

<210> 8

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 8

gtaagagata agcagtatga ggaagtatg

29

<210> 9

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 9

ggtccttcat gttagaaaac ctggct

26

<210> 10

<211> 682

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: cDNA from BKRP
transcript

<400> 10

agtggacaca gatggcttcc ttgaatattg ggagagcagg tgctgtgtg gtagtcatca 60
agcaaccttg acttattgat attttacttg gaaagatttt acttgctgga gtggttattt 120
ttatattgaa tggcaagaat gagaacttcc agagatgaaa actcttcaag aacaaggatc 180
tctgtagcgt tacctactga tgttgaaaga gttagtagat caaacagaat agtaggaaac 240
aagaaaacat taaacttata caggaaaaat gtctggccat atgttagtta gttcgggaat 300
ggttattggg aatttgtttt gtattatagc atacaataac tagagttacc aaaggcttgt 360
tttttcttga gcagttgaaa ggagagacca atatttgatga catggatagt ttcattgacca 420
caactcattc aatcatttta tagtctatgg caatatccaa gagattgcca agagtagaag 480

442 43

09181585-102893

acagaatatt tcattctgaca gtattctgatt ggtttactgt ttttctaatac atatgtgggc 540
 ataacgggaa gcagaattat gctttattca aacaaacctg cttctgcctc attttcctaa 600
 gctatgagaa caattagaga aacagattca tgcttgatc ttgcattcag aaaacaaaact 660
 gtcctactaa tcaaagctgc at 682

<210> 11
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 11
 cttcatcgtc ctccccgtcc tctt 24

<210> 12
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 12
 gccctatccc aattccttgg ctaga 25

<210> 13
 <211> 29
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 13
 gtctagccaa ggaattggga tagggcttc 29

<210> 14
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Primer

<400> 14
 gactccgctg gaaactcttc agcca 25

143 44

258201-00000000

<210> 15
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 15
tccatctttc tgaaggtttg ctcagca 27

<210> 16
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 16
ttgaatggcc gggtgatgac ag 22

<210> 17
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 17
ctgctgagtg ccctgcccag gag 23

<210> 18
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 18
gtagtagtag tagtaaagcc aggtt 25

09181535.102898

44 45